

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Henry da Costa, et al.  
Serial No.: Unassigned  
Filing Date: November 26, 2003  
For: **Systems and Methods for Adaptive Interpretation of Input  
From a Touch-Sensitive Input Device**  
Art Unit: Unassigned

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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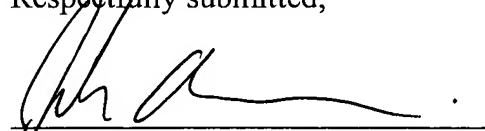
Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants submit herewith on Form PTO-1449 a listing of documents known to the Applicants and/or their attorney. Applicants respectfully request consideration of the cited documents and making the same of record in the prosecution of the above-identified application. In so doing, Applicants do not waive any rights to take appropriate action to establish patentability over the listed documents should they be applied as references against the claims of the present application. Copies of One Hundred Forty-one documents listed on the enclosed CD.

This Information Disclosure Statement is being submitted with the application, and, therefore, no certification or fee is required (37 C.F.R. § 1.97b(1)). However, should any fees be due, the Commissioner is authorized to charge such fees to Deposit Account No. 16-1435. A duplicate of this sheet is attached for that purpose.

Respectfully submitted,



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Sheet **1** of **7****Complete if Known**

Application Number	Unassigned
Filing Date	November 26, 2003
First Named Inventor	Henry da Costa, et al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	IMM174 (51851/279589)

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	1	2,972,140	2/14/1961	Hirsch	
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	9	3,911,416	10/7/1995	Feder	
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	75	US 2002/0149561 A1	10/17/2002	Fukumoto et al.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	77	EP	0349086		1/3/1990	Stork Kwant B.V.	✓
	78	JP	01-003664		7/19/1990	Taito Corporation	✓
	79	JP	02-109714		1/13/1992	Epoch Co. and Key- Planning Co.	✓
	80	JP	04-007371		8/3/1993	Taito Corporation	✓
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	82	WO	97/18546 A1		5/22/1997	Gerpheide	✓
	83	JP	2001-350592A		12/21/2001	Ryo et al.	✓
	84	WO	02/12991 A1		2/14/2002	Fukumoto et al.	✓
	85	EP	1182851 A1		2/27/2002	Becker	✓
	86	WO	02/27645		4/4/2002	Franzen	✓
	87	WO	02/31807 A1		4/18/2002	Hwang et al.	✓
	88	JP	2002-259059A		9/13/2002	Motoyama et al.	✓

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OTHER DOCUMENTS			
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	89	ADELSTEIN, "A Virtual Environment System For The Study of Human Arm Tremor," Ph.D. Dissertation, Dept. of Mechanical Engineering, MIT, June 1989.	
	90	ADELSTEIN, "Design and Implementation of a Force Reflecting Manipulandum for Manual Control research," DSC-Vol. 42, Advances in Robotics, Edited by H. Kazerooni, pp. 1-12, 1992.	
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	112	JACOBSEN et al., "High Performance, Dextrous Telerobotic Manipulator With Force Reflection," Intervention/ROV '91 Conference & Exposition, Hollywood, Florida, May 21-23, 1991.	
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	121	MINSKY, "Computational Haptics: The Sandpaper System for Synthesizing Texture for a Force-Feedback Display," Ph.D. Dissertation, MIT, June 1995.	
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	125	PATRICK et al., "Design and Testing of A Non-reactive, Fingertip, Tactile Display for Interaction with Remote Environments," Cooperative Intelligent Robotics in Space, Rui J. deFigueiredo et al., Editor, Proc. SPIE Vol. 1387, pp. 215-222, 1990.	
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	128	RABINOWITZ et al., "Multidimensional tactile displays: Identification of vibratory intensity, frequency, and contactor area," Journal of The Acoustical Society of America, Vol. 82, No. 4, October 1987.	
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	130	RUSSO, " Controlling Dissipative Magnetic Particle Brakes in Force Reflective Devices," DSC-Vol. 42, Advances in Robotics, pp. 63-70, ASME 1992.	
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OTHER DOCUMENTS			
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	131	Safe Flight Instruments Corporation, "Coaxial Control Shaker," Part No. C-25502, 1 July 1967.	
	132	SCANNELL, "Taking a Joystick Ride," Computer Currents, Boston Edition, Vol. 9, No. 11, November 1994.	
	133	SHIMOGA, "Finger Force and Touch Feedback Issues in Dexterous Telemanipulation," Proceedings of Fourth Annual Conference on Intelligent Robotic Systems for Space Exploration, Rensselaer Polytechnic Institute, Sep. 30 - Oct. 1, 1992.	
	134	SMK Corporation, "Multi-Functional Touch Panel, Force-Feedback Type, Developed: A Touch Panel Providing a Clicking Feeling," <a href="http://www.smk.co.jp/whatsnew_e/628csc_e.html">http://www.smk.co.jp/whatsnew_e/628csc_e.html</a> , September. 30, 2002.	
	135	SMK Corporation, "Force Feedback Type Optical Touch Panel Developed," SMK Corporation Website, October 30, 2002	
	136	SNOW et al., " Model-X Force-Reflecting-Hand-Controller," NT Control No. MPO-17851; JPL Case No. 5348, pp. 1-4, 06/15/1989.	
	137	STANLEY et al., " Computer Simulation of Interacting Dynamic Mechanical Systems Using Distributed Memory Parallel Processors," DSC-Vol. 42, Advances in Robotics, pp. 55-61, ASME 1992.	
	138	TADROS, " Control System Design for a Three Degree of Freedom Virtual Environment Simulator Using Motor/Brake Pair Actuators", MIT Archive © Massachusetts Institute of Technology, pp. 1-88, February 1990.	
	139	TERRY et al., "Tactile Feedback In A Computer Mouse," Proceedings of Fouteenth Annual Northeast Bioengineering Conference, University of New Hampshire, March 10-11, 1988.	
	140	WIKER, "Teletouch Display Development: Phase 1 Report," Technical Report 1230, Naval Ocean Systems Center, San Diego, April 17, 1989.	
	141	Synaptics, Inc., "Synaptics TouchPad Interfacing Guide", Second Edition, Downloaded August 26, 2003/	

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